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ATTORNEY DOCKET NO. 10010875-5  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Seongsin Kim et al.

Serial No.: 10/620,137

Examiner: Perkins, Pamela E.

Filing Date: July 14, 2003

Group Art Unit: 2822

Title: MOISTURE PASSIVATED PLANAR INDEX-GUIDED VCSEL

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

Response/Amendment  Petition to extend time to respond  
 New fee as calculated below  Supplemental Declaration  
 No additional fee (Address envelope to "Mail Stop Amendments")  
 Other: (Fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X 50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X 200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM						+ 360
EXTENSION FEE	1 <sup>ST</sup> MONTH 120.00 <input type="checkbox"/>	2 <sup>ND</sup> MONTH 450.00 <input type="checkbox"/>	3 <sup>RD</sup> MONTH 1020.00 <input type="checkbox"/>	4 <sup>TH</sup> MONTH 1590.00 <input type="checkbox"/>	\$ 0	
						OTHER FEES \$ 0
						TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

Seongsin Kim et al.

By

  
Edouard Garcia  
Attorney/Agent for Applicant(s)

I hereby certify that this correspondence is being Deposited with the United States Postal Service as First class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: July 18, 2005

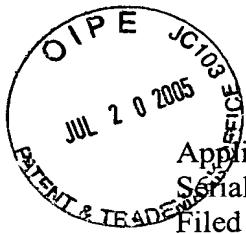
Reg. No. 38,461

Typed Name: Edouard Garcia

Date: Jul 18, 2005

Signature: 

Telephone No. (650) 289-0904



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Seongsin Kim et al. Art Unit : 2822  
 Serial No. : 10/620,137 Examiner : Perkins, Pamela E.  
 Filed : July 14, 2003  
 Title : MOISTURE PASSIVATED PLANAR INDEX-GUIDED VCSEL

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

RESPONSE TO EXAMINER'S ACTION DATED MAY 18, 2005I. Status of claims

Claims 12-20 are pending.

The Examiner has indicated that claims 18-20 would be allowable if rewritten in independent form.

II. Claim rejections

The Examiner has rejected claims 12-17 under 35 U.S.C. § 103(a) over Thornton (U.S. 6,208,681) in view of Jiang (U.S. 5,719,893). With respect to these claims, the Examiner has copied verbatim her reasons for rejection from the Office action dated November 17, 2004.

A. Independent claim 12

Independent claim 12 recites a method of manufacturing a VCSEL that comprises forming a vertical stack structure that defines two or more etched holes each extending from

CERTIFICATE OF MAILING

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Edouard Garcia

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